

## **1.0    PURPOSE**

The purpose of this document is to provide guidance to the investigator in evaluating the required short-circuit protection for trailing cables when the protection is provided by fuses.

## **2.0    SCOPE**

This Policy (POL) encompasses all permissible mining equipment with trailing cables submitted to MSHA for evaluation under 30 CFR, Part 18.

## **3.0    REFERENCES**

This policy references 30 CFR 18.35(a)(4) and 75.601-3.

## **4.0    DEFINITIONS**

N/A.

## **5.0    POLICY**

5.1. 30 CFR, 18.35(a)(4) requires that trailing cables have short circuit protection at the outby end of all ungrounded conductors. This section of the regulation references Table 8 in Appendix I for guidance on the maximum allowable fuse rating. However, this table is obsolete and the criteria for acceptance of the maximum allowable fuse rating for trailing cable short-circuit protection should be that listed in 30CFR, Part 75.601-3.

5.2. Fuses must not be used with trailing cables greater than 500 feet in length.

5.3. Fuses must not be used for the short-circuit protection of three-phase a.c. trailing cables.

5.4. Only fuses that have been tested and approved under Part 28 are acceptable for the short-circuit protection of d.c. and single-phase a.c. trailing cables. When accepting fuses for outby short circuit protection of the trailing cables, the applicant must specify the ampere and voltage rating and a note that the fuse is MSHA approved.